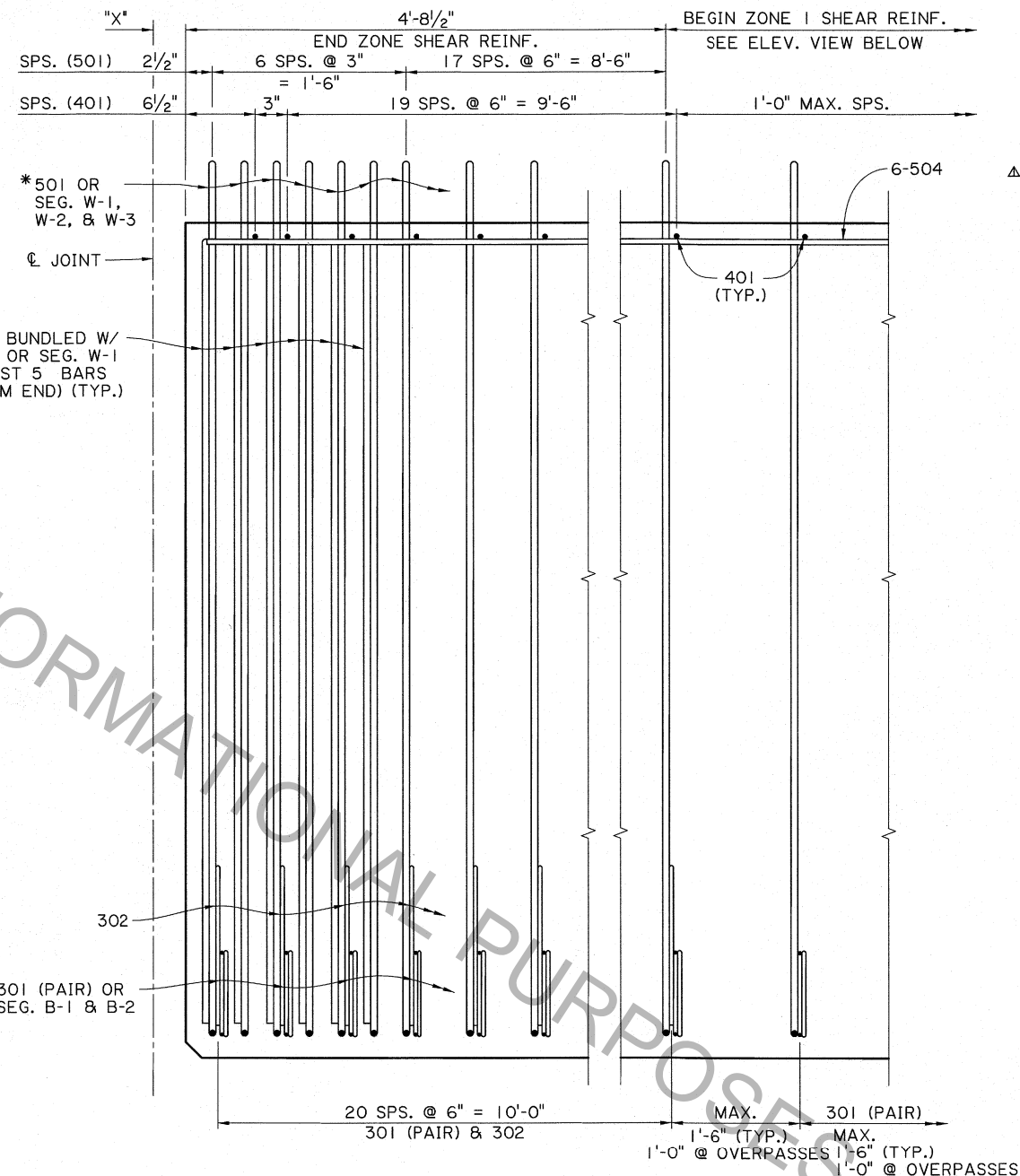
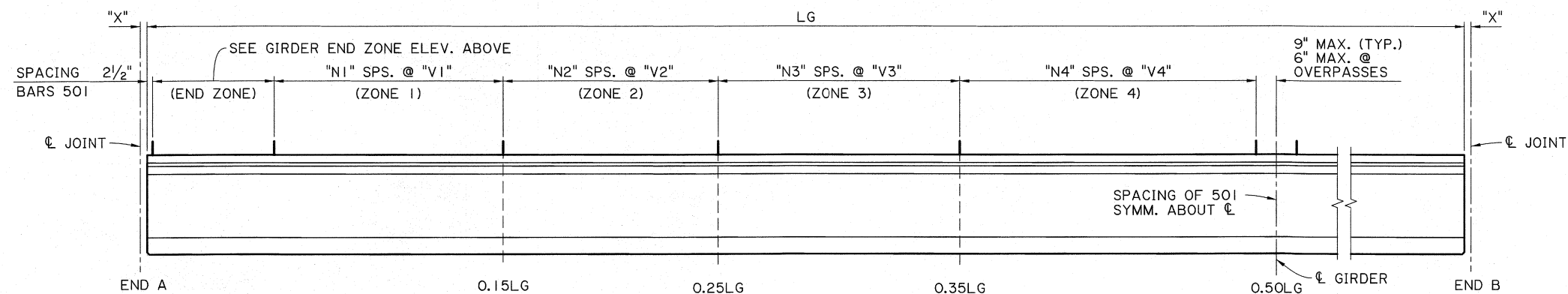


GIRDER END SECTION



ELEVATION OF GIRDER END ZONE
(FLANGE LINES NOT SHOWN FOR CLARITY)



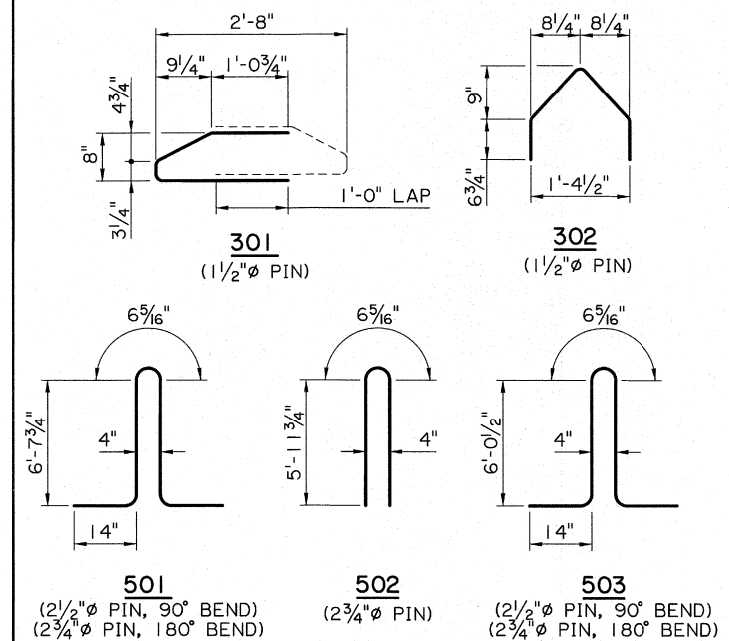
GIRDER ELEVATION
(N.T.S.)

LIST OF CONVENTIONAL REINFORCEMENT

BAR	NO.	UNIT LENGTH	LOCATION
501	VARIABLES	16'-2"	STIRRUP
502	12	12'-6"	STIRRUP (BUNDLE W/ 501)
503	VARIABLES	14'-11"	STIRRUP (ALT. FOR 501)
504	6	LG LESS 4"	TOP FLANGE LONG. REINF.
401	VARIABLES	3'-8"	TOP FLANGE TRANS. REINF.
301	VARIABLES	4'-0"	CONFINEMENT REINF.
302	42	3'-2"	CONFINEMENT REINF.

Δ UNIT LENGTH SHOWN DOES NOT INCLUDE LAPS FOR CONTINUOUS REINFORCEMENT. FOR UNIT LENGTH OVER 60 FT., ADD 2'-0" FOR EACH LAP SPLICE.

BENDING DIAGRAMS



NOTES:

- SEE SHEET 1 OF LG GIRDER COMMON DETAILS FOR GENERAL NOTES AND DEFINITIONS.
- SEE SHEET 2 OF 2 FOR DETAILS OF WWR TO REPLACE CONVENTIONAL REINFORCEMENT.
- CONVENTIONAL REINFORCING BARS 302 & 502 SHALL NOT BE REPLACED WITH WWR.
- AT THE CONTRACTOR'S EXPENSE, THE PAIR OF BARS 301 MAY BE FABRICATED AS A SINGLE BAR WITH A 1'-0" MINIMUM LAP.
- AT GIRDER ENDS WHERE AN EXPANSION JOINT ASSEMBLY IS REQUIRED, SUBSTITUTE 503 BARS FOR THE FIRST (3) 501 BARS. SEE LG COMMON DETAILS (SHT. 11 OF 11) FOR EXPANSION JOINT ANCHOR BOLT DETAIL.

SHEET NUMBER --

DESIGNED BY: LIANG
CHECKED BY: KEVER
DATE: 7/19/18

REVISION OR CHANGE ORDER DESCRIPTION

NO. DATE

BY

PARISH CONTROL SECTION STATE PROJECT

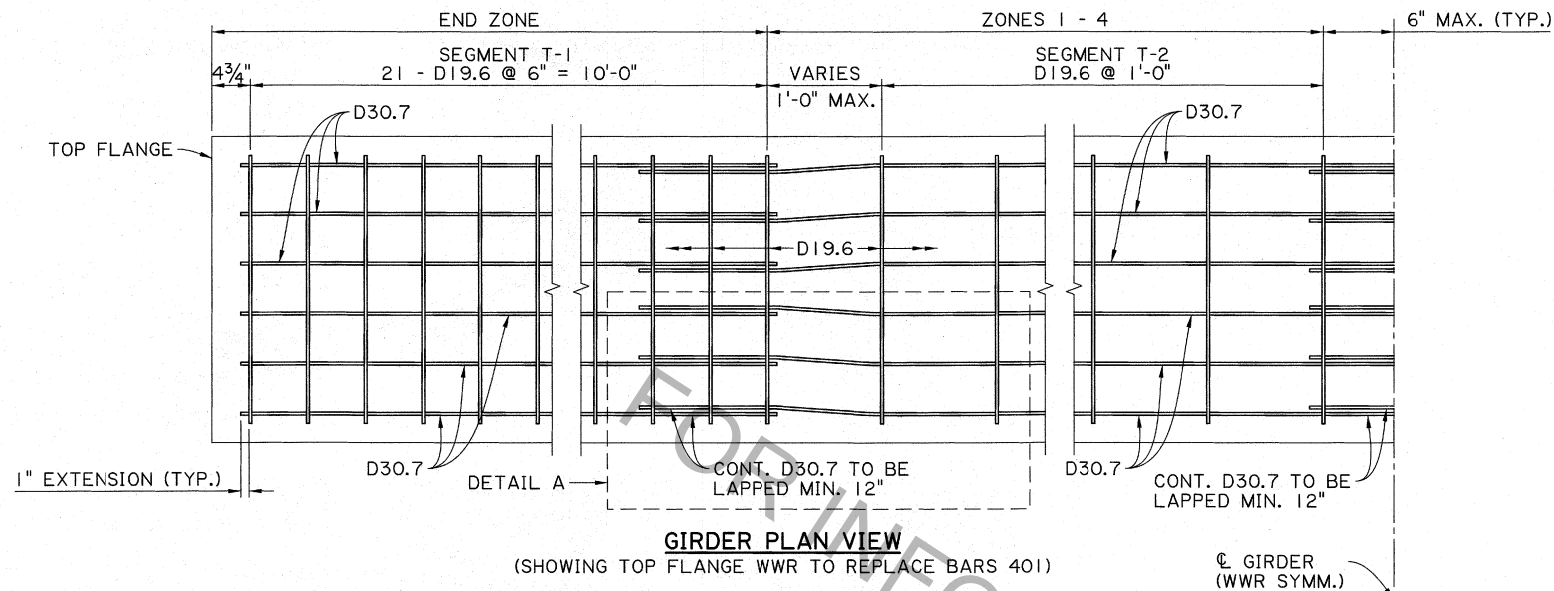
REINFORCEMENT REINFORCEMENT

LG-78

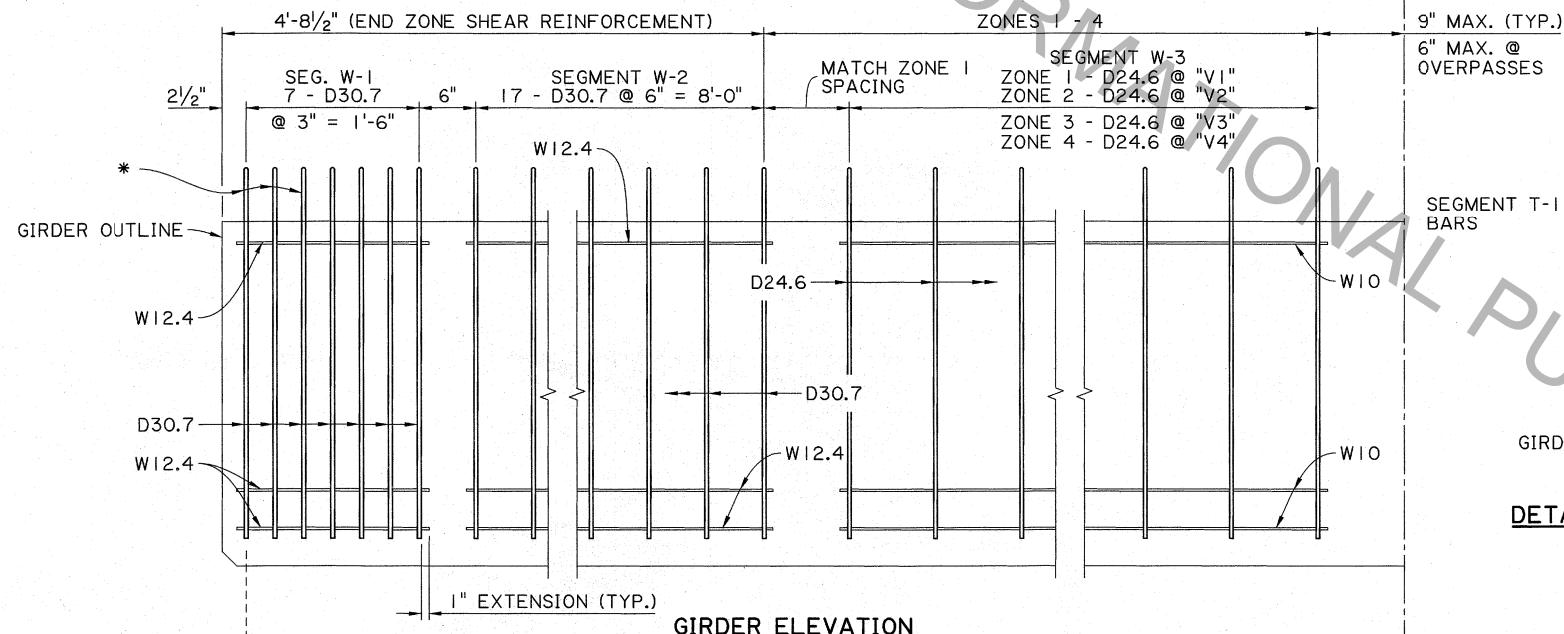
DOTD BRIDGE DESIGN

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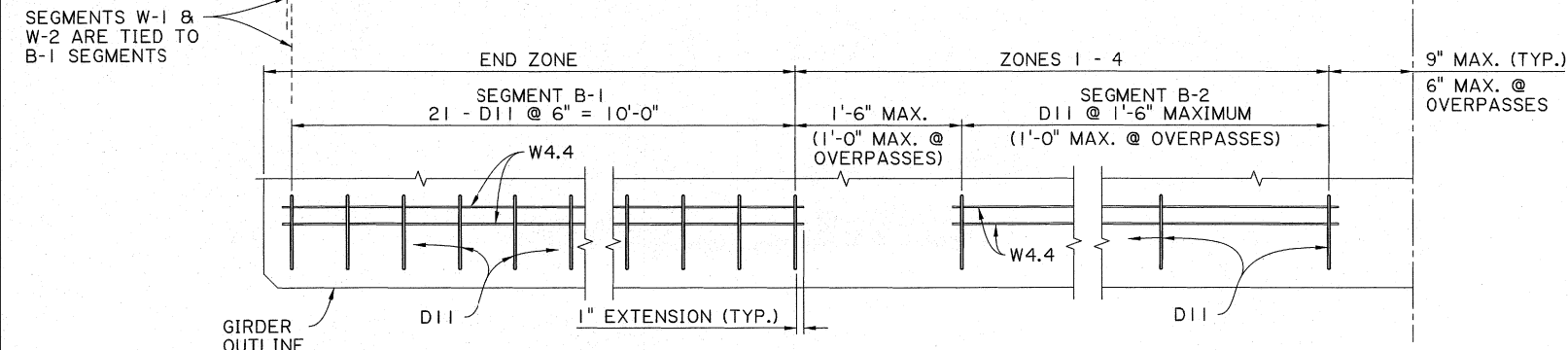
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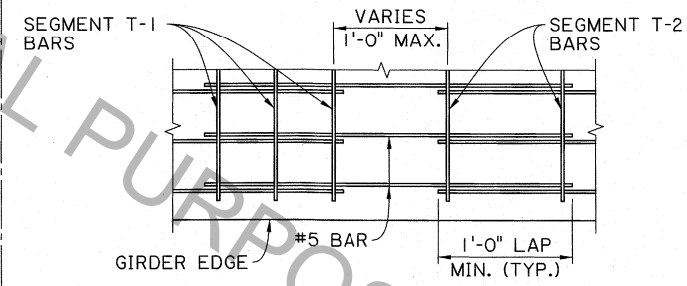
GIRDER PLAN VIEW
(SHOWING TOP FLANGE WWR TO REPLACE BARS 401)



GIRDER ELEVATION
(SHOWING WEB WWR TO REPLACE BARS 501)



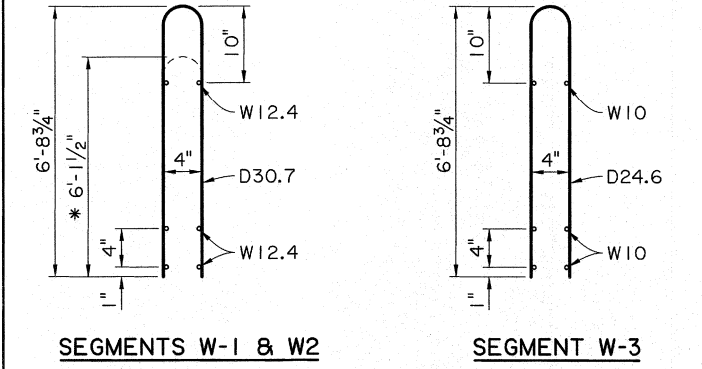
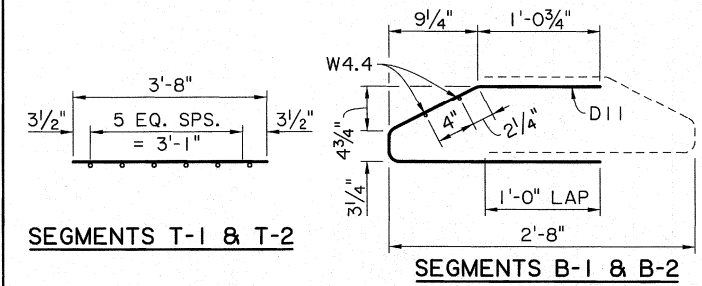
PARTIAL GIRDER ELEVATION
(SHOWING BOTTOM FLANGE WWR TO REPLACE BARS 301)



DETAIL A - REINFORCEMENT ALTERNATIVE
(WWR WITH #5 DROP IN BAR ALTERNATIVE)

LIST OF WELDED WIRE REINFORCEMENT				
SEG.	SIZE	NO. BARS	UNIT LENGTH	LOCATION
T-1	D19.6	42	3'-8"	TRANSV. TOP FLANGE REINF.
	D30.7	6	10'-2"	LONG. TOP FLANGE REINF.
T-2	D19.6	VARIABLE	3'-8"	TRANSV. TOP FLANGE REINF.
	D30.7	6	VARIABLE	LONG. TOP FLANGE REINF.
W-1	D30.7	14	13'-8"	STIRRUP
W-2	D30.7	34	13'-8"	STIRRUP
W-3	D24.6	VARIABLE	13'-8"	STIRRUP
B-1	D11	84	4'-0"	CONFINEMENT REINF.
B-2	D11	VARIABLE	4'-0"	CONFINEMENT REINF.

BENDING DIAGRAMS



NOTES:

1. THE REQUIRED AREAS OF WEB WWR IN ZONES 1-4 TO REPLACE BARS 501 HAVE BEEN REDUCED IN PROPORTION TO THE INCREASE IN WWR YIELD STRENGTH OF 75 KSI. ALL OTHER WWR SIZES ARE EQUIVALENT TO CONVENTIONAL REINFORCEMENT SIZES. WWR SIZES SHOWN ARE MINIMUM REQUIREMENTS. AT CONTRACTOR'S OPTION, BAR SIZES LARGER THAN THESE MINIMUM SIZES MAY BE PROVIDED.
2. SEGMENTS MAY BE FABRICATED IN MULTIPLE LENGTH SECTIONS. THE CONTRACTOR SHALL ALIGN SEGMENTS SO THAT THE WIRE SPACING REMAINS CONSISTENT.
3. SUPPLEMENTAL TRANSVERSE #4 BARS ARE PERMITTED TO SUPPORT SEGMENTS W-1, W-2, AND W-3 UNDER THE CROSS WIRES ON THE BOTTOM ROW OF STRANDS.
- * 4. AT GIRDER ENDS WHERE AN EXPANSION JOINT ASSEMBLY IS REQUIRED, THE FIRST THREE STIRRUPS IN SEGMENT W-1 SHALL BE FABRICATED TO 6'-1 1/2" IN HEIGHT. SEE LG COMMON DETAILS (SHT. 11 OF 11) FOR EXPANSION JOINT ANCHOR BOLT DETAIL.



SHEET NUMBER --

DESIGNED: Z. LIANG
CHECKED: B. KEVER
DATE: _____

PARISH CONTROL SECTION
STATE PROJECT

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BY: _____ DATE: _____ NO. _____

LG-78 - REINFORCEMENT WELDED WIRE REINFORCEMENT

DOTD BRIDGE DESIGN